

12

EUROPEAN PATENT APPLICATION

21 Application number: **85106931.0**

51 Int. Cl.³: **G 09 G 1/16**
G 09 G 1/28

22 Date of filing: **05.06.85**

30 Priority: **16.07.84 US 631043**

43 Date of publication of application:
12.02.86 Bulletin 86/7

88 Date of deferred publication of search report: **18.10.89**

84 Designated Contracting States:
AT BE CH DE FR IT LI NL SE

71 Applicant: **International Business Machines Corporation**
Old Orchard Road
Armonk, N.Y. 10504(US)

72 Inventor: **Rackley, Darwin Preston**
17755 Maplewood Drive
Boca Raton Florida 33431(US)

72 Inventor: **Saenz, Jesus Andres**
983 Ramblewood Drive
Coral Springs Florida 33065(US)

72 Inventor: **Yosim, Paul Stewart**
931 Gardenia Drive 567
Delray Beach Florida 33444(US)

74 Representative: **Grant, Iain Murray**
IBM United Kingdom Limited Intellectual Property
Department Hursley Park
Winchester Hampshire SO21 2JN(GB)

54 **Digital display system employing a raster scanned display tube.**

57 A digital display system includes a monitor arranged to receive digital display data and synchronising signals to develop displays on a cathode ray tube. The monitor is switched between different line structure and/or colour definition modes in response to the polarity of one of the vertical or horizontal synchronising signals trains. A circuit receives this train to provide control signals to the horizontal time base and/or a colour signal code converter. The time base control signal, in accordance with its binary value, controls the frequency of the time base. The colour converter, in response to the control signals, either passes colour signals received in parallel over six input lines without changes to the cathode ray tube drive circuits or converts colour signals on four of the input lines to output signals on the six lines to the drive circuits.

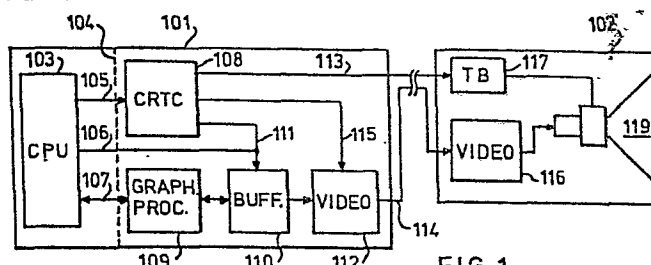


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

0170816

Application Number

EP 85 10 6931

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	FR-A-1 500 970 (COMMUNICATIONS PATENTS LTD) * Page 1, right-hand column, lines 23-34; page 2, left-hand column, lines 3-29 *	1	G 09 G 1/16 G 09 G 1/28
A	US-A-4 349 839 (M. McGINN) * Column 8, lines 28-40 *	1	
A	US-A-4 453 183 (A.R. BALABAN) * Column 1, line 63 - column 2, line 10; column 2, lines 52-57; column 7, claims 1,2,3; column 8, claim 8 *	1,7	
A	US-A-4 408 200 (D.J. BRADLEY)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 09 G 1/28 G 09 G 1/16 H 04 N 5/46
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-07-1989	Examiner SIX G.E.E.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			